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- Published:**
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(54) Title: **ANIMAL FEED SUPPLEMENT**

(57) **Abstract:** An animal rumen-resistant feed supplement in the solid form, said feed supplement comprising at least one methionine derivative and a porous carrier material wherein (a) said methionine derivative is selected from the group consisting of liquid and solid esters of the 2-hydroxy-4-(methylthio) butanoic acid, with the proviso that solid esters have a melting point of 100°C at most; the 2-amino-4-methylthiobutanamide and the 2-hydroxy-4-methylthiobutanamide, (b) said methionine derivative accounts for at least 20% and up to 70% by weight of the feed supplement and (c) said supplement is in the form of particles having a size range of from 80 to 600 microns.

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INTERNATIONAL SEARCH REPORT

Internat Application No
PO B 03/01726A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A23K1/00 A23K1/16

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A23K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

PAJ, WPI Data, EPO-Internal, CHEM ABS Data, CAB Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	G.L. ROMOSER ET AL.: "An evaluation of the L-methionine activity of the hydroxy analogue of methionine" POULTRY SCIENCE, vol. 55, no. 3, 1976, pages 1099-1103, XP001104093 CHAMPAIGN, IL, US ISSN: 0032-5791 page 1101, column 1 page 1102; tables 4,6	1,5,9
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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Date of the actual completion of the International search

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Dekeirel, M

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB 03/01726

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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A	US 3 035 920 A (KNODT CLOY B) 22 May 1962 (1962-05-22) column 1, line 17 - line 51 column 2, line 57 - line 64 column 3, line 33 - line 60 ----	1,9
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X	G.L. ROMOSER ET AL.: "An evaluation of the L-methionine activity of the hydroxy analogue of methionine" POULTRY SCIENCE, vol. 55, no. 3, 1976, pages 1099-1103, XP001104093 CHAMPAIGN, IL, US ISSN: 0032-5791 * page 1101, column 1 * * page 1102; tables 4,6 *	1,6,9	A23K1/00 A23K1/16
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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 17 September 2002	Examiner Dekeirel, M
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X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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EPO FORM 1503 03.82 (P04C01)



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
A	D.J. COTTLE ET AL.: "Overcoming seasonal depression in wool production in Romney Marsh ewes by feed supplementation" PROCEEDINGS OF THE AUSTRALIAN SOCIETY OF ANIMAL PRODUCTION., vol. 19, 1992, pages 135-137, XP001113106 J.A. ROBERTS, MELBOURNE., AU ISSN: 0067-2149 * page 135, paragraph 7 * -----	1,9	
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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 17 September 2002	Examiner Dekeirel, M
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 02 35 6081

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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17-09-2002

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